

Sample Soil Test Report

Analytical Results		Sample: 'Veggie Garden'		Simply Soil Testing	
Customer:	Joe Customer 1432 E Jameson St Seattle, WA 98199	Date received:	01/04/14	Report date:	01/07/14
		Sample reference #	00273	Plant code:	01 - Vegetable Garden
		Tests requested:	Basic, OrgM, B, S, Zn, Mn, Cu, Fe		

RESULTS		INTERPRETATION				
Nutrient	Level	Low	Medium	High	V High	Result
Phos. (Bray-P1)	52 ppm	<div></div>				High
Potassium (K)	141 ppm	<div></div>				Medium
Calcium (Ca)	1057 ppm	<div></div>				Medium
Magnesium (Mg)	412 ppm	<div></div>				Very High
Boron (B)	0.99 ppm	<div></div>				High
Sulfur (S as SO4)	5.4 ppm	<div></div>				Medium
Organic Matter	16.5 %	<div></div>				Very High
Soluble Salts	0.1 mS/cm	<div></div>				Satisfactory

Micronutrients	Critical Range	Result
Zinc	0.5 - 1.0 ppm	Very High
Manganese	0.7 - 1.4 ppm	Very High
Copper	0.4 - 0.7 ppm	High
Iron	2.5 - 5.0 ppm	Very High

pH and Lime Requirements	
Current pH = 5.35 (too acidic)	Lime Recommendation
<p>Optimal pH range: 6 - 7</p>	36 lbs / 1000 sq ft (0.8 tons / acre) Mix the above quantity of ag lime with the top 8 inches of soil. See next page for more details.

Fertilizer Recommendations			
Nutrient	Weight / 1000 sq ft	Nutrient	Weight / 1000 sq ft
Nitrogen	2.0 lbs (85 lbs/acre)	Boron (B)	none required
P (as phosphate)	none required	Sulfur (S)	8 oz (2.5 lbs as gypsum)
K (as potash)	2.1 lbs	Iron (Fe)	none required
Calcium	24 lbs (60 lbs as CaCO3)	Manganese (Mn)	none required
Magnesium	none required	Copper (Cu)	none required
		Zinc (Zn)	none required

N-P-K Fertilizer Options	
N, P and K are recommended in the proportions 19:0:20. There aren't any organic fertilizers with this specific proportion of nutrients, so nitrogen and potassium should be applied individually. Below is a list of some organic fertilizer options, along with the quantity needed:	
Nitrogen:	Blood meal - 16 lbs/1000sf, or Milorganite - 33 lbs/1000sf, or Urea - 4.2 lbs/1000sf or Organic manure - 49 lbs/1000sf
Potassium:	Greensand - 30 lbs/1000sf, or Potassium chloride - 3.5 lbs/1000sf or Potassium sulfate - 4.2 lbs/1000sf

The report shows the levels of macro-nutrients, phosphorus and potassium (in ppm). Nitrogen levels are not customarily tested.

The secondary nutrients, calcium, magnesium and sulfur are often deficient in NW soils, and are not included in conventional fertilizer blends.

Organic matter improves the texture of garden soil and serves as a reservoir for many nutrients.

This graph shows the current soil pH and whether it is within the optimal range for your garden, orchard or lawn.

This section shows which nutrients are deficient and how much of each nutrient is needed to achieve recommended levels.

Recommended addition rates of various conventional or organic fertilizers (your choice) in pounds per 1000 sq ft.

Customer's description of the location where the soil sample was taken.

The plant or crop that the customer has indicated will be planted. The fertilizer and lime recommendations are tailored to the selected plants.

The bar graphs show, at a glance, whether the soil nutrient levels are adequate.

The micro-nutrients are less often deficient. Deficiencies are usually only observed in particular geographical regions.

If the soil pH is below what is recommended for your plants, this section will show the recommended amount of lime to add.